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## What is claimed is:

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2	comprising:
3	receiving user input via an intuitive graphical user interface;
4	identifying the layout of a vehicle network based on the user input;
5	defining logical relationships between components of the vehicle network based on the
6	user input;
7	compiling network data based on the layout and logical relationships; and
8	storing the compiled data.

A method for programming at least a portion of a multiplexed vehicle network,

- 2. A method according to claim 1 wherein the step of identifying the layout of the vehicle network includes identifying a vehicle network type.
- 3. A method according to claim 2 wherein the step of compiling is based on the vehicle network type.
- 4. A method according to claim 1 wherein the step of identifying the layout of the vehicle network includes identifying a network node.
- 5. A method according to claim 4 wherein the step of identifying the layout of the vehicle network further includes identifying a component to provide input to the network node.

216803.1 71044/03786 2 portion of the stored data and instructions to the vehicle network controller.

An apparatus according to claim 14 wherein the step of identifying the layout of

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least a portion of the stored data and instructions to the vehicle network controller. 216803.1 71044/03786

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An apparatus according to claim 11 further including means for transmitting at

with the program in the memory to identify a network node.

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An apparatus according to claim 21, wherein the processor is further operative

An apparatus for programming at least a portion of a multiplexed vehicle network,

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identify a second command;

- identify a relationship between the first command and the second command; and
- 5 assign the second command and the relationship to the output.
- 1 30. An apparatus according to claim 21, wherein the processor is further operative
- 2 with the program in the memory to transmit at least a portion of the stored data and instructions
- 3 to the vehicle network controller.

- 1 31. A computer-readable storage medium encoded with processing instructions for
- 2 implementing method for programming at least a portion of a multiplexed vehicle network, the
- 3 processing instructions for directing a computer to perform the steps of:
- 4 receiving user input via an intuitive graphical user interface;
- identifying the layout of a vehicle network based on the user input;
- defining logical relationships between components of the vehicle network based on the
- 7 user input;
- compiling network data based on the layout and logical relationships; and storing the compiled data.